

**TOPOGRAPHIC SURVEY CONTROL POINT RECORD**

STATION LONG NAME	BA14
STATION NUMBER	BA14
4 CHAR ID	BA14
COUNTRY	IRAQ
LOCATION	UMM QASR
SURVEYING AGENCY	IGRS TROOP
DATE (OF DESCRIPTION)	09 AUG 05

CONTENTS	YES	NO	NO OF PAGES
FIELD COORDINATE VALUES	x		1
OFFICE COORDINATE VALUES	x		1
STATION MONUMENT & SITE DETAILS	x		1
STATION DIAGRAM	x		1
ACCESS MAP	x		1
ACCESS DESCRIPTION	x		1
APPROACH PHOTOGRAPHS	x		1
CARDINAL POINT PHOTOGRAPHS	x		2

**RECORD OF VISITS**

DATE OF VISIT	NAME	UNIT	REMARKS

**ADDITIONAL DETAILS/ENCLOSURES**

CONTENTS	NO OF PAGES

## FIELD COORDINATE VALUES

STATION LONG NAME	BA14
4 CHAR ID	BA14
STATION NUMBER	BA14

THIS STATION IS NEW	YES
IDENTICAL / NEARLY IDENTICAL WITH	N/A

### FIELD VALUES FROM THE RECEIVER / HAND HELD GPS – IN WGS84

LATITUDE N	30° 03' 34.6''
LONGITUDE E	047° 53' 16.4''
HT (M)	10
GRID ZONE DESIGNATOR	38R
UTM / MGRS GRID	QU 78423 28908
SURVEYING AGENCY	IGRS

FIELD INPUT BY: SPC CHAMBERS	UNIT: IGRS	DATE: 09 AUG 2005
FIELD CHECKED BY: SGT. O'NEAL	UNIT:IGRS	DATE: 09 AUG 2005

# OFFICE COORDINATE VALUES

## WGS 84 ADJUSTED VALUES AS AT: 17-Apr-04

LATITUDE N	30° 03' 34.63598"
LONGITUDE E	047° 53' 16.51621"
SPHEROIDAL HT (M)	0.165
EGM96 GEOID MODEL HT (M)	-16.131
ORTHOMETRIC HT (M)	16.296
VERTICAL DATUM	WGS 84
GEOID MODEL USED	EGM 96
RELATIVE TO	CORS STATIONS
RELATIVE POSITION ACCURACY (M)	0.015
RELATIVE HEIGHT ACCURACY (M)	0.010
ADJUSTING AGENCY	OPUS
ADJUSTMENT DATE	25 AUG 2005

## LOCAL DATUM VALUES AS AT: 17-Apr-04

SPHEROID	N/A
PROJECTION	N/A
GRID	N/A
VERTICAL DATUM	N/A
LATITUDE N / S	N/A
LONGITUDE E / W	N/A
EASTINGS (M)	N/A
NORTHINGS (M)	N/A
SPHEROIDAL HT (M)	N/A
ORTHOMETRIC HT (M)	N/A
GRID ZONE DESIGNATOR	N/A
TRANSFORMATION AGENCY	N/A
TRANSFORMATION DATE	N/A

GRAVITY VALUE: N/A	TYPE OF STN: N/A	REF: N/A
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AIR PHOTO: N/A	REF: N/A	SCALE: N/A
IMAGERY: N/A	REF: N/A	SCALE: N/A

OFFICE INPUT BY: LCPL COWARD	UNIT: IGRS	DATE: 25 AUG 2005
OFFICE CHECKED BY: LCPL DICKEN	UNIT: IGRS	DATE: 25 AUG 2005

## STATION MONUMENT AND SITE DETAILS

STATION LONG NAME: BA14	
STATION NUMBER: BA14	4 CHAR ID: BA14
LOCATION: UMM QASR	COUNTRY: IRAQ
STATION ADDRESS: N/A	
TEL: N/A	FAX: N/A
LAND OWNER ADDRESS: N/A	
TEL: N/A	FAX: N/A
TYPE OF MARK: HARN	
CONDITION: GOOD	
MARK SETTING: RE-BAR / FINE MARK	NO OF REBARS: 2

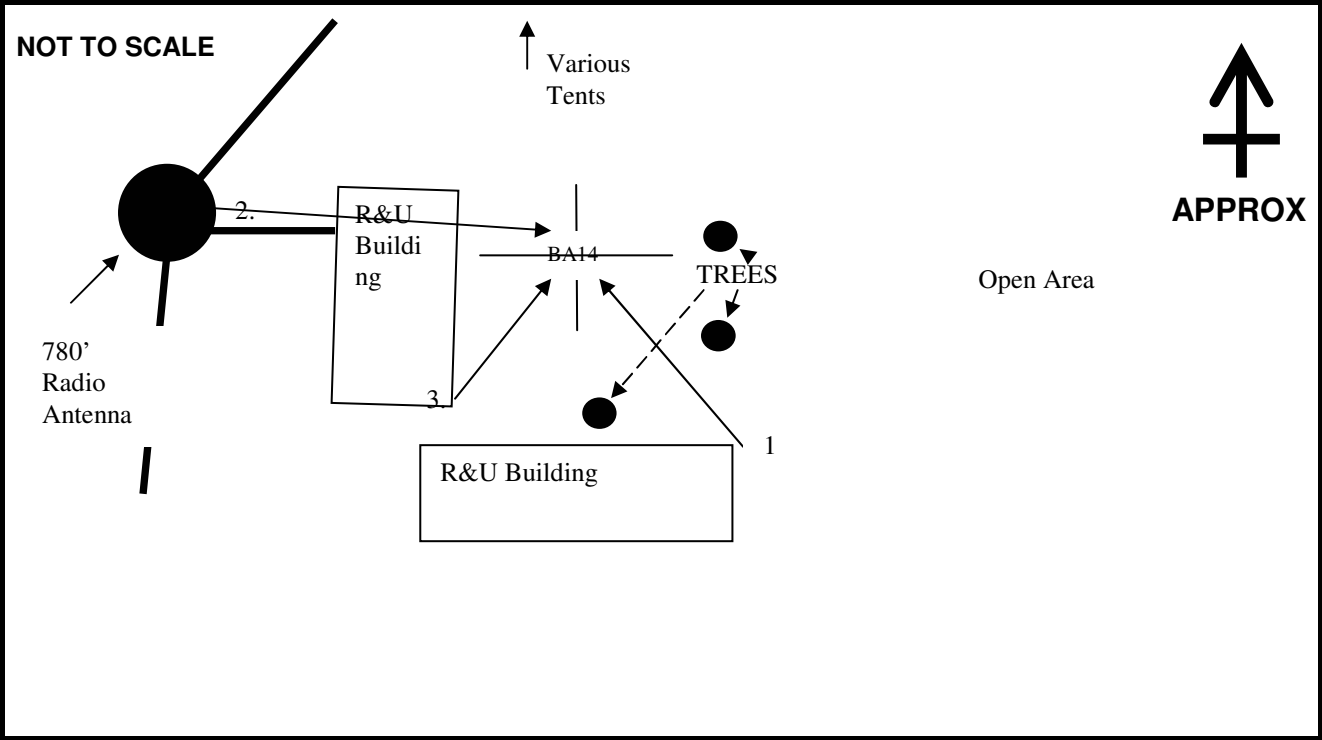
### MONUMENT PHOTO / SKETCH



PREPARED BY: SPC CHAMBERS	UNIT: IGRS	DATE: 09 AUG 2005
CHECKED BY: SGT. O'NEAL	UNIT: IGRS	DATE: 09 AUG 2005

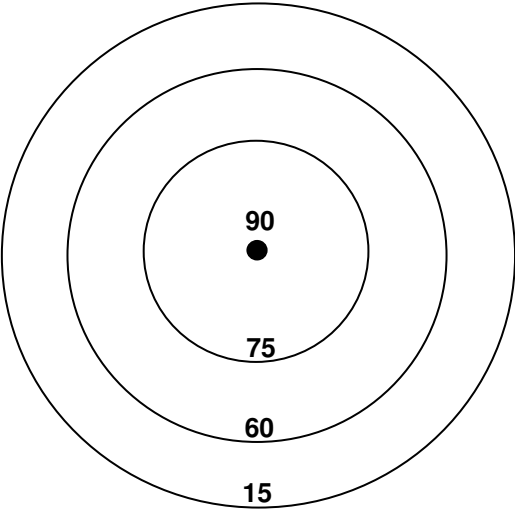
STATION DIAGRAM

STATION LONG NAME: BA14	
STATION NUMBER: BA14	4 CHAR ID: BA14



NO	DESCRIPTION	BRG/HORZ ANGLE	DISTANCE
1	CNR OF R & U BUILDING	295°	19M
2	RADIO ANTENNA	92°	30M
3	CNR OF R & U BUILDING	55°	15M
4			

OBSCURITY DETAILS



PREPARED BY: SPC CHAMBERS	UNIT: IGRS	DATE: 09 AUG 2005
CHECKED BY: SGT. ONEAL	UNIT: IGRS	DATE: 09 AUG 2005

1

# ACCESS MAP

STATION LONG NAME: BA14

STATION NUMBER: BA14

4 CHAR ID: BA14

MAP DETAILS

SERIES: K643

SHEET: 5550

EDITION: 3-NIMA

SCALE: 1:100,000

GR: 38R QU 78423 28908



PREPARED BY: SPC CHAMBERS

UNIT: IGRS

DATE: 09 AUG 2005

CHECKED BY: SGT ONEAL

UNIT: IGRS

DATE: 09 AUG 2005

## ACCESS DESCRIPTION

<b>STATION LONG NAME: BA14</b>		
<b>STATION NUMBER: BA14</b>		<b>4 CHAR ID: BA14</b>

<b>MAP DETAILS</b>	<b>SERIES: K643</b>	<b>SHEET: 5550</b>
<b>EDITION: 3-NIMA</b>	<b>SCALE: 1:100,000</b>	<b>GR: 38R QU 78423 28908</b>

To reach the survey marker BA14: Just north of the Iraqi city of Safwan at the junction of Route 1 and Basrah road at grid location: 38R QU 621 365, continue Southeast on Route 1 for approximately 15.2km. Route 1 will end at grid location: 38R QU 772 301, at junction there is a large military prison and only access to site will be from access road on left hand side, turn left, (Northeast) and proceed 300m to entrance gate located on right hand side. From main gate proceed 1.5km east to survey marker BA14 (located near large radio tower) at grid location: 38R QU 78423 28908

<b>PREPARED BY: SGT. O'NEAL</b>	<b>UNIT: IGRS</b>	<b>DATE: 10 AUG 2005</b>
<b>CHECKED BY: SGT. O'NEAL</b>	<b>UNIT: IGRS</b>	<b>DATE: 17 AUG 2005</b>



# APPROACH PHOTOGRAPHS

STATION LONG NAME: BA14	
STATION NUMBER: BA14	4 CHAR ID: BA14

## NEAR APPROACH FACING EAST



## FAR APPROACH FACING EAST



TAKEN BY: SPC CHAMBERS	DATE TAKEN: 09 AUG 2005
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**CARDINAL PHOTOGRAPHS**

STATION LONG NAME: BA14	
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**NORTH**



**SOUTH**



TAKEN BY: SPC CHAMBERS	DATE TAKEN: 09 AUG 2005
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# CARDINAL PHOTOGRAPHS

STATION LONG NAME: BA14	
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**EAST**



**WEST**



TAKEN BY: SPC CHAMBERS	DATE TAKEN: 09 AUG 2005
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